UNITED STATES GOVERNMENT

2-Way Memo

INSTRUCTIONS
Use routing symbols whenever possible.
SENDER (*Originator of message*):
Use brief, informal language.
Conserve space.
Forward original and one copy.
RECEIVER (*Replier to message*):
Reply below the message, keep one copy, return one copy.

Subject: Floor Load Analysis
Headquarters

DATE OF MESSAGE	ROUTING SYMBOL
7-18-84	

SIGNATURE OF ORIGINATOR

STAT To : [redacted]
1H18 Headquarters Building

STAT T [redacted]

C/FEB/RECD/OL

FOLD FOLD

MESSAGE

As per your office's request, Field Engineering Branch Engineers have reviewed the proposed floor loading and have determined that the load bearing capacity of the floor will not be exceeded if tha following steps are followed:

1. The power files may not be in any other position than that shown in the attached drawing.

2. Existing shelving and literature must be removed to another room.

3. Filing shelf stops must be installed at location shown on the attached drawing.

4. Additional shelving shall not be installed without additional load bearing calculations.

STAT Project Engineer: [redacted]

DATE OF REPLY	ROUTING SYMBOL

From :

SIGNATURE OF REPLIER

DATE OF REPLIER

[X] UNCLASSIFIED [ ] CONFIDENTIAL [ ] SECRET

REQUEST FOR LOGISTICS SERVICES

MEMORANDUM FOR: CHIEF, LOGISTICS SERVICES DIVISION/OFFICE OF LOGISTICS

ATTENTION :

Service Requested:

25X1

Floor loading survey for both [redacted] East Asia Division. 25X1
[redacted] would like to swing a Lektriever Series 80 power file from its present position so that it is on a line with the existing files. (See attached plan.) 25X1 [redacted] would like to relocate three power files along the corridor wall in its present vault and move three other existing power files back two-three feet. The branch would also like to remove existing files from present vault walls and install a tracked moveable file system. (See attached plan.)

These plans will all be affected by the load bearing capacity of the floor.

Attachment [X] Yes [ ] No

Deadline Date, if applicable: 19 MAY 84

Justification:
Proposed plans will be affected by the load bearing capacity of the floor. (Other construction will also take place in the vault in conjunction with the installation of SAFE equipment.)

COMP	ACT	INFO
1. SMB/TD		
2. ADS		
3. IPS		
4. BSB		
5. M&CB		
6. MPB		
7. EDRD		

Special Considerations, if any:

25X1 [redacted] 25X1

Location where work is to be performed (room no. & 25X1
1H18, Hqs.

Cost Center: 4256-0105

Date of Request: 30 April 1984

Requesting Official: [redacted] 25X1

25X1 [redacted]

FORM 2620 10-66 USE PREVIOUS EDITIONS [ ] SECRET [ ] CONFIDENTIAL [ ] UNCLASSIFIED (21-38)

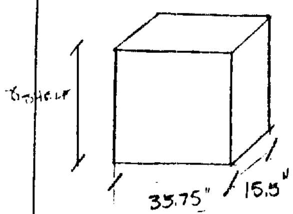
SHELF LOAD

#1

$35\,^3/_4$ F.I./SHELF X 8 SHELF X 2.95 lb/F.I. = 843.7 lb/SECTION

60 lb. CABINET

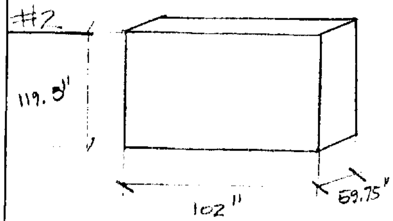
903.7 lb TOTAL



903.7 lb / 35.75" X 15.5" = 1.63 lb/S.I. *

4 = 3614.8 lb

#2



3605 lb. UNLOADED

2000 lb. W/ MEDIA

5605 lb. TOTAL

5605 lb / 102" X 59.75" = .92 lb/S.I. *

2 = [illegible]

#6

6 SHELFS X 42 FI/SHELF X 2.95 lb/FI = 743.4 lb

+ 30. lb

823.4 lb

823.4 lb / 42" x 15.5" = 1.26 lb/F.I. *

3 = 2587.2

#5

2 X 7 SHELF X 36 FI/SHELF X 2.95 lb/FI = 1486.8 lb

+ 90 lb

1576.8 lb

1576 lb / 30" x 36" = 1.46 lb/S.I. *

7 IN AREA #2 = 11037.6

* TH[illegible] [illegible] LOAD

[illegible] IT DOESNOT [illegible]

Approved For Release 2005/08/16 : CIA-RDP86-01019R000200050004-5

ALLOWABLE LIVE LOAD: 1.04 lb/S.I.
150 lb/FT²
.15 KIPS/FT²

MAX LOAD PER BAY(20x20): 60,000 lb
60 KIPS

LOAD ANALYSIS BY BAYS:

FLOOR SECTION	WALL LOAD(lb)	SHELF LOAD(lb)	POWER FILE ('s)	MISC. (lb)	TOTAL LOADS (lb)	MAX ALL. LOAD (lb)
1	1800 (60 LF x 30 lb/LF)	3614.8	11210		16,024.8	60000
2	1200 40 x 30	16813 AV	16642.6		33456.6	60000
3.	1560 52 x 30	4518.5	10335.4		16413.9	60000
4	1710 57 x 30	4518.5	11210.0		17438.5	60000

CONCLUSION:

ROOM 1 HIS IS STRUCTURALLY CAPABLE OF HOLDING THE PROPOSED LOADING. IF THE ROOM IS LAYED OUT IN ACCORDANCE WITH THE ENCLOSED DRAWING.

NOTES: 1. IN MOVING THE SPERRY RAND POWER FILES, THERE SHOULD NOT BE MORE THAN 2 FILES IN A BAY AT ONE TIME

2. EXISTING SHELVING MUST BE RE-LOCATED IN ANOTHER ROOM DURING AND AFTER MOVING PROCESS.

3. STOPS MUST BE INSTALLED ON NEW POWER FILES AS INDICATED ON DRAWING